

Remarks/Arguments

Claims 5, 8-16, 19-21 and 23-27 remain in the application.

Claims 1, 4, 17-18, and 22 have been amended.

Claims 2-3, and 6-7 been cancelled.

Claim 28 has been added.

Specification

The Applicant thanks the Examiner for his detailed review of the specification and has made appropriate correction to the text as indicated..

Claim Rejections – 35 USC § 112

Claims 1, 17-18 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The Applicant thanks the Examiner for his observations in respect to the indefinite and indistinct language in the claims cited.

Claim 1 has been amended to remove reference to the “first transmission line”

Claims 17 and 18 have been amended to cite reference to the “detection circuitry” of claim 1 and associate “detected energy output signal” with appropriate detectors.

Claim Rejections – 35 USC § 102

Claims 1, 2, 6, 8, 9, 19, 21, 22 & 23 are rejected under 35 U.S.C. § 102(e) as being clearly anticipated by Swank, II (US 2002/0113601), herein Swank.

The Applicant notes the Examiner's comments in respect of allowable subject matter.

Applicant has incorporated the allowable subject matter of claim 3 within claim 1. Applicant therefore traverses the objection.

Claim 2 has been cancelled.

Claim 8 is now a dependent claim to allowed subject matter. Applicant therefore traverses the objection.

Claims 9, and 19-21 are similarly dependent claims to the indicated allowed subject matter. Applicant traverses the objection.

Referring to claim 22, Applicant has amended the claim to incorporate the allowable subject matter of claim 3 therein. Applicant therefore traverses the objection.

Referring to claim 23, this is now a dependent claim to claim 22 which has allowed subject matter. As such Applicant traverses the objection.

Claim Rejections – 35 USC § 103

Claims 12-14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Swank

The claims as cited are restrictions of the allowed subject matter cited within claim 1. As such Applicant traverses the objection.

Claims 10, 11 & 24 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Swank in view of Mecklenburg (US 4,547,728).

The claims as cited are dependent upon the allowed subject matter of claim 1. Applicant traverses the objection.

Claims 15 & 16 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Swank in view of Sigmon et al. (US 6,157,253), herein Sigmon.

Applicant thanks the Examiner for his diligence in the search and notes that claims 15 and 16 are dependent upon allowed subject matter of the amended claim 1. As such, Applicant traverses the objection.

Claim 20 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Swank in view of Horigan et al. (US 6,566,848), herein Horigan.

Applicant notes the dependence of claim 20 upon allowed subject matter of the amended claim 1. As such Applicant traverses the objection.

Claims 25 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Swank in view of Plotnik et al. (US 6,873,608), herein Plotnik.

The claim as cited is dependent upon the allowed subject matter of claim 1. Applicant traverses the objection.

Allowable Subject Matter


Claims 3-5 & 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicant thanks the Examiner for the indications of allowable subject matter and notes that the allowed subject matter of claim 3 has been incorporated into claim 1.

Please charge any additional fees required or credit any overpayment to Deposit Account No. 50-1142.

Applicant looks forward to receiving favourable reconsideration of the instant application.

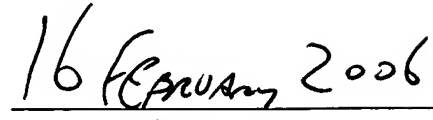
Respectfully submitted,



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Amendments to the Drawings:

The attached sheets containing Figures 1 through 2 replace the corresponding drawings as originally filed.

Figures 1 and 2 are amended to include descriptive labels for the main functional blocks of the invention as disclosed.

Attachment: Replacement sheets containing Figures 1 through 2 following page 13 of this paper.